

Long Lifespan and Ultra Safe Rechargeable Cell

Lithium Iron Phosphate Cells (LiFePO4), BP-HZPP series

Bestgo Power Co., Ltd. specializes in developing and manufacturing advanced LiFePO4 batteries which feature both high power and energy densities with a long lifespan and ultra safe performance. Bestgo Power's unique water-based manufacturing technology can help customers design products that outperform other LiFePO4 batteries. Company also takes advanced technologies include updated battery materials, effective manufacturing method, high precision quality control system and abundant safety design etc. Bestgo Power's high quality products would help customer build the excellent energy storage systems as customer required.



Overview

BP-HZPP series is one kind of Lithium Iron Phosphate rechargeable cells offered by Bestgo Power Co., Ltd. Due to LiFePO4 molecular structure is quite stable, LiFePO4 battery is the safest battery available for lithium batteries, they are quality reliable even in some bad abuse conditons. They are featured as high power output, wide temperature adaption, long lifespan and ultra safety.

Bestgo Power's Lithium Iron Phosphate cell ,BP-HZPP series

Models	Capacity	Dimension (L * W * H)	Weight	Inner Resistance	Terminal Sizes Total / Inner	Discharge Performance Continuous / Peak (10sec)
BP-LFPP-20	20Ah	102*41*160mm	0.82kg	≤ 5 mΩ	M14 / M6 Bolts	60A / 100A
BP-LFPP-40	40Ah	128*46*178 mm	1.5kg	≤ 3 mΩ	M14 / M6 Bolts	120A / 200A
BP-LFPP-60	60Ah	128*64*178 mm	2.3kg	≤ 2 mΩ	M14 / M6 Bolts	180A / 300A
BP-LFPP-100	100Ah	179*62*218 mm	3.5kg	≤ 1 mΩ	M16 / M6 Bolts	300A / 500A
BP-LFPP-160	160Ah	255*57*264 mm	5.6kg	≤ 1 mΩ	M18 / M6 Bolts	480A / 640A
BP-LFPP-200	200Ah	255*62*264 mm	7.2kg	≤ 0.8 mΩ	M18 / M6 Bolts	600A / 800A

Common features (BP-HZPP series)

Charge Voltage	3.65V Standard (3.4V Float, 3.85V Cut-off)
Operating Voltage	3.2V @ C/3, 23°C/73°F (2.5V Cut-off)
Operating Temperature	Charge: 0°C ~ 45°C Discharge: -25°C ~ 55°C
Available Capacity in different temperatures	≥95% @ C/5, 50°C ≥85% @ C/5, -20°C
Cycle Life (23°C, at +/- C/3 rate)	≥2,000 times @ 80%DOD ≥1,500 times @ 100%DOD
Standard Charging Method (CC / CV mode)	C/3 Constant Current to 3.65V Limit, then Constant 3.65V Voltage with Current Taper to C/20.

For a specific application, please fill out [the online survey form](#) then submit it to us, we would arrange the best person in Bestgo-Power then response to you immediately. You may also contact us via info@bestgopower.com

Performance may vary depending on, but not limited to cell usage and application. If cell is used outside specifications, performance will diminish. All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be current and accurate.

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HZPP series Datasheet
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